IOWA DEPARTMENT OF NATURAL RESOURCES
WATER SUPPLY SECTION
CONSTRUCTION PERMIT APPLICATION

SCHEDULE-16b, Waste Treatment Ponds

Date Prepared	Project Identity
Date Revised	

1. Design Basis:

	Average	Maximum
Flow to Pond (gpd)		
Suspended Solids to Pond (lb./day)		

2. Type of flow measurement to pond: _____

3. Top of dike elevation: _____ ft: `100 year flood elevation: _____ ft.

4. Design Data:

	Cell # 1	Cell # 2	Cell # 3	Total
Maximum Operation Depth (ft)				
Minimum Operation Depth (ft)				
Effective Storage Volume (MG)				
Effective Detention Time (days)				
Freeboard (ft)				
Top Width of Dike (ft)				
Inner Embankment Slope (H/V)				
Outer Embankment Slope (H/V)				

5. Does the pond have an adjustable decanting device? Yes ☐ No ☐

6. Cell length to width ratio: _____

7. Method of interconnection of cells:
_____ spec. page no. _____

8. Method of sampling effluent:
_____ spec. page no. _____

9. Method of erosion protection:
_____ spec. page no. _____

10. Security fence height: _____ ft.

11. Number of warning signs: _____ Location: _____

12. Are specifications included for:
   a. Seeding: _____ spec. page no. _____
   b. Soil sterilization: _____ spec. page no. _____
   c. Lagoon bottom uniformity: _____ spec. page no. _____
   d. Lagoon sealing: _____ spec. page no. _____

13. For "red water" waste ponds: N/A ☐
   a. Length of weir overflow device: _____ ft.
   b. Method of inlet velocity dissipation: _____
   c. Is the outlet located to prevent short circuiting? ☐ Yes ☐ No